

## **Focus Area 24: Respiratory Diseases**

**Objective 24-2c** calls for reduction in the hospitalization rate for asthma to 10.0 per 10,000 population aged 65 years and over.

Hospital discharge data indicate a statistically significant increase in age-adjusted discharge rates among California residents aged 65 and over with a principal diagnosis of asthma from 14.7 per 10,000 in 2000 to 19.4 per 10,000 in 2004 (Figure 24-2c, Table 24-2c). These rates are significantly higher than the HP2010 objective, and are moving away from the target.

Females aged 65 and over had significantly higher age-adjusted asthma hospitalization rates (23.3 per 10,000 females in 2004) than males, although the rates for males are significantly increasing (10.0 per 10,000 males in 2000 to 13.9 per 10,000 in 2004). The HP2010 objective is not being achieved for either gender in this age group, and rates are increasing away from the HP2010 target.

African Americans/Blacks aged 65 and over had the highest age-adjusted asthma hospitalization rates, which were found to be increasing significantly from 26.7 per 10,000 in 2000 to 34.2 per 10,000 in 2004. Hispanics/Latinos experienced the next highest rates (26.5 per 10,000 in 2004), followed by Asians/Pacific Islanders (24.2 per 10,000 in 2004), and Whites (also showing a significant increase from 10.9 per 10,000 in 2000 to 15.5 per 10,000 in 2004). The rates for American Indians/Alaska Natives were unreliable due to the small number of events, and are not reported. This HP2010 objective is not being achieved for any racial or ethnic population aged 65 and over in California.

For more information on asthma, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/asthma>

For more information on Healthy People 2010 objective 24-2c, please visit:

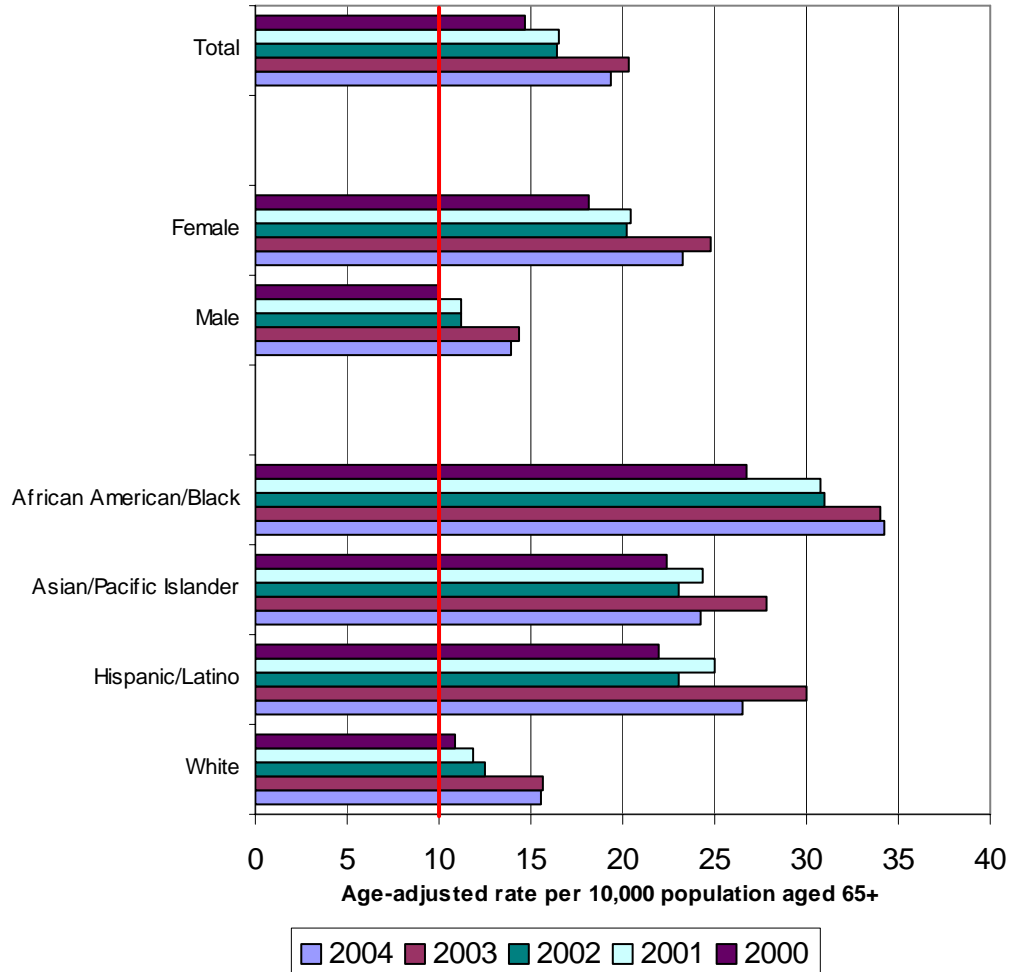
[http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#\\_Toc489704825](http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825)

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

**Figure 24-2c**  
**Asthma Hospitalization Rates Among Persons Aged 65 and Over**  
**California, 2000-2004**

Healthy People 2010 objective = 10.0



**Table 24-2c: Asthma Hospitalization Rates Among Persons Aged 65 Years and Over**

Objective 24-2c	2000 N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	2001 N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Healthy People 2010 Target</b>		<b>10.0</b>				<b>10.0</b>		
<b>Statewide Total</b>	5,333	14.7	14.3	15.1	6,174	16.5	16.1	16.9
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	5	DSU	-----	-----	17	DSU	-----	-----
Asian/Pacific Islander	793	22.4	20.8	24.0	935	24.4	22.8	26.0
Black/African American	487	26.7	24.4	29.1	594	30.8	28.4	33.3
Hispanic/Latino	1,028	22.0	20.7	23.4	1,260	25.0	23.6	26.4
White	2,806	10.9	10.5	11.3	3,125	11.9	11.5	12.3
<b>Gender</b>								
Female	3,823	18.1	17.6	18.7	4,415	20.4	19.8	21.0
Male	1,510	10.0	9.5	10.5	1,759	11.2	10.6	11.7

Objective 24-2c	2002 N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	2003 N	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Healthy People 2010 Target</b>		<b>10.0</b>				<b>10.0</b>		
<b>Statewide Total</b>	6,323	16.4	16.0	16.8	8,060	20.3	19.8	20.7
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	5	DSU	-----	-----	8	DSU	-----	-----
Asian/Pacific Islander	935	23.0	21.5	24.4	1,196	27.8	26.2	29.4
Black/African American	616	31.0	28.6	33.5	697	34.0	31.4	36.5
Hispanic/Latino	1,224	23.0	21.7	24.3	1,684	30.0	28.6	31.5
White	3,326	12.5	12.0	12.9	4,213	15.6	15.1	16.0
<b>Gender</b>								
Female	4,505	20.2	19.6	20.8	5,660	24.8	24.2	25.5
Male	1,818	11.2	10.7	11.7	2,400	14.3	13.7	14.9

Objective 24-2c	2004 N	Rate <sup>1</sup>	Lower C.I.	Upper C.I.	5-year Trend	HP2010 Objective Being Achieved?
<b>Healthy People 2010 Target</b>		<b>10.0</b>				
<b>Statewide Total</b>	7,746	19.4	18.9	19.7	Sig. +	No
<b>Race-Ethnicity</b>						
American Indian/Alaska Native	8	DSU	-----	-----	n/a	Unk
Asian/Pacific Islander	1,091	24.2	22.8	25.7	ns	No
Black/African American	715	34.2	31.7	36.7	Sig. +	No
Hispanic/Latino	1,555	26.5	25.2	27.9	ns	No
White	4,155	15.5	15.0	15.9	Sig. +	No
<b>Gender</b>						
Female	5,378	23.3	22.7	24.0	ns	No
Male	2,368	13.9	13.4	14.5	Sig. +	No

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2004;

CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: \* ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record.

<sup>1</sup> Age-adjusted rate per 10,000 population aged 65 years and over.

Sig. + Statistically significant increase in age-adjusted hospitalization rates from 2000 to 2004.

ns No significant trend as measured by linear regression analysis.

n/a Reliable data not available for trend analysis.